

# TMC Monthly Operational Summary

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Bureau of Transportation Systems Management & Operations (TSMO)

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## ***NH Department of Transportation's Mission***

*Transportation excellence enhancing the quality of life in New Hampshire.*

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## ***Transportation Management Center's Mission***

*The Transportation Management Center's mission is to detect, verify, and respond to incidents that affect the state transportation network. It serves to improve traffic operations, provide the public with current, accurate and useful travel and commuter information that promotes safe and efficient travel, as well as facilitates the maintenance of New Hampshire's transportation system.*

# New Hampshire Transportation Management Center Coverage Areas by District



The State of New Hampshire is divided into six Districts and the New Hampshire Turnpike System comprising of approximately 9,266 lane miles.

## Permanent ITS Equipment List

### Closed-Circuit Television (CCTV) Cameras

	2022 Total	2023 Total
CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.	144	146

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### Dynamic Message Signs (DMS)

	2022 Total	2023 Total
DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.	57	57
<sup>1</sup> Additional DMS that TSMO uses during the winter season.	16 <sup>1</sup>	16 <sup>1</sup>
<sup>2</sup> TSMO is responsible for an additional ~20 DMS for the department.	20 <sup>2</sup>	20 <sup>2</sup>

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### Road Weather Information System (RWIS)

	2022 Total	2023 Total
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.	38	38

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### Variable Speed Limit Sign (VSL)

	2022 Total	2023 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	21	21

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### Motor Vehicle Detection System (MVDS)

	2022 Total	2023 Total
MVDS are sensors that collect speed and volume data.	39	39

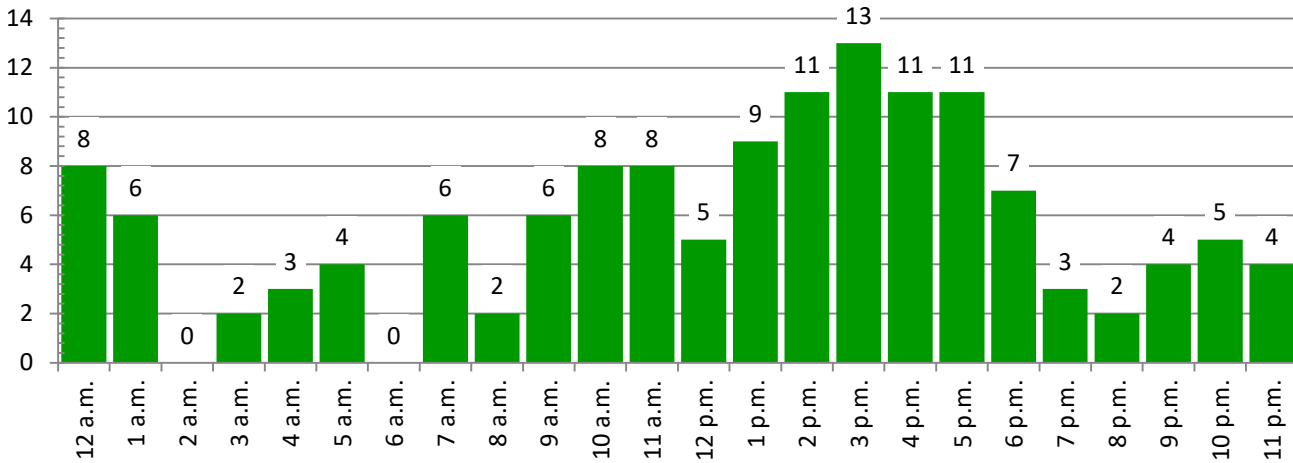
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# Summary

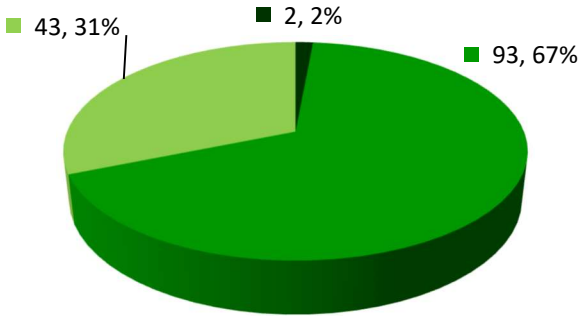
	Current Month	2023 Total
<b>Unplanned Incidents</b>	<b>Total Unplanned Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	138	857
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	509	1,686
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,994	25,998
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that is outside of planned incidents.	2,316	8918
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	27,496	144,688
<b>Public Outreach</b>	<b>Total NHTMC.com Webpage Users</b>	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	719	7,014
<b>Storm Desk Activations</b>	<b>Total Storm Desk Activations</b>	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	3

# Unplanned Incidents



Increased staffing within the TMC is necessary during normal business hours to better facilitate daily operations while also managing unplanned incidents. Incidents are tracked by the time at which the operators are notified of the start of the event.

## Current Month - Incidents by Type



This graph shows the type of incident totals for the month.

### Types of Incidents:

**No Closure:** No lane closures occurred during the incident.

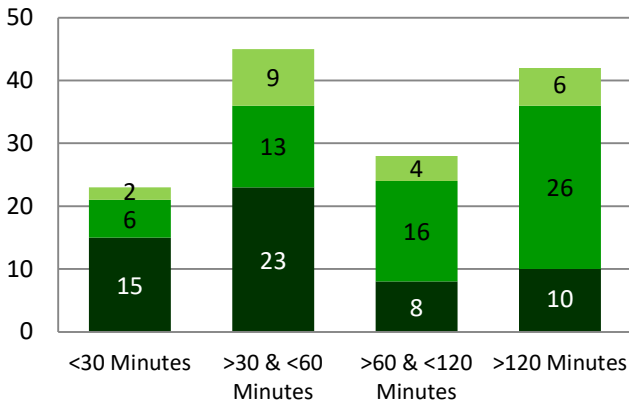
**Partial Closure:** Only a part of the roadway was closed.

**Full Closure:** All lanes were closed during the incident.

■ No Closure ■ Partial Closure ■ Full Closure

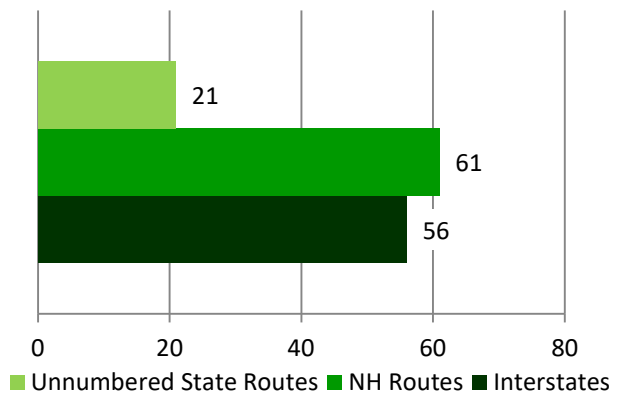
## Current Month - Incident Duration

This graph shows the duration history of incidents.

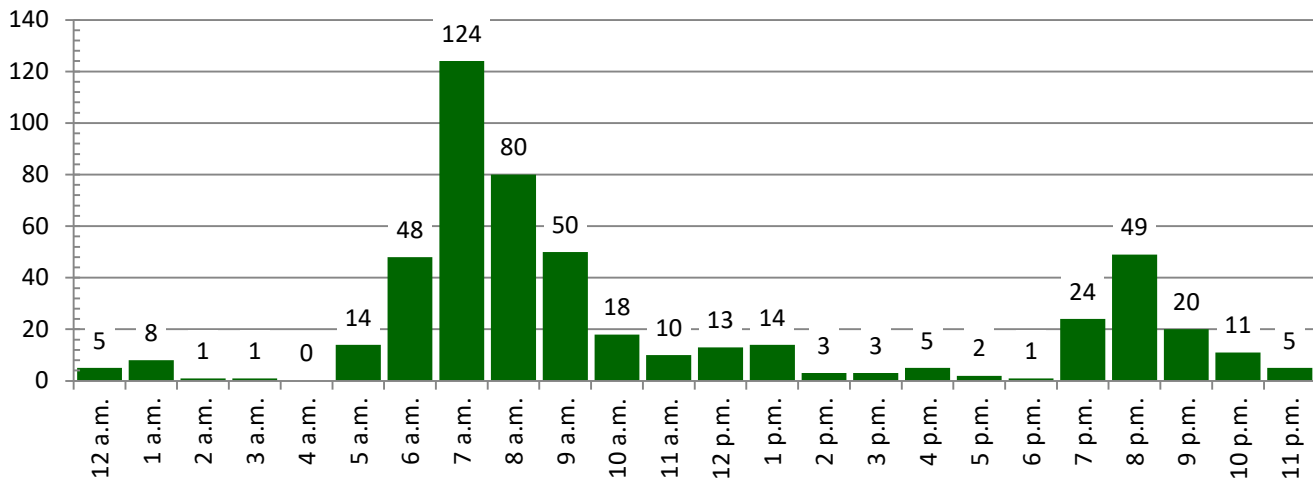


## Current Month - Incident by Road

This graph shows which type of roadway the incidents occurred on.

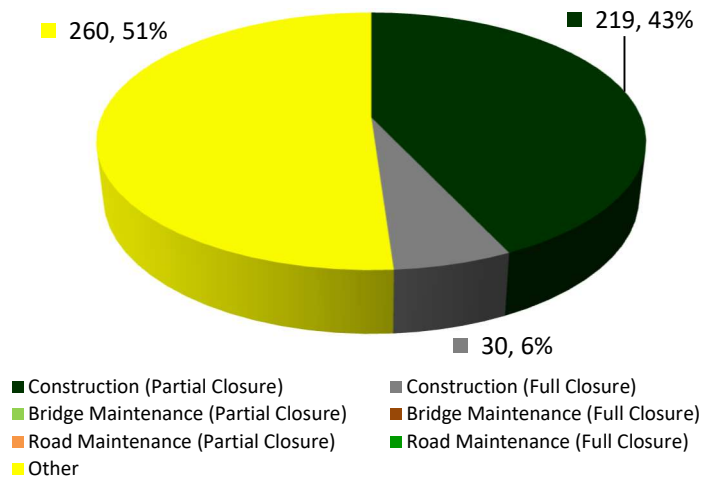


# Planned Events



Additional staffing within the TMC is necessary during peak hours to meet the demands of daily planned operations. Planned Events are tracked by the time at which the operators are notified of the start of the event.

## Current Month - Incidents by Type

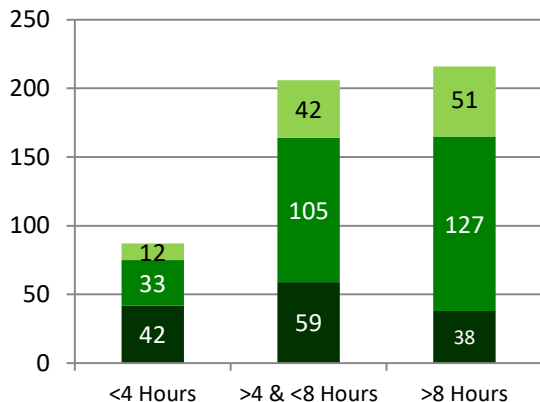


This graph shows the type of incident totals for the month.

Planned Events that impact the roadway, shoulder, or a ramp include events such as construction, bridge maintenance, or road maintenance. Each type could result in a partial closure or full closure.

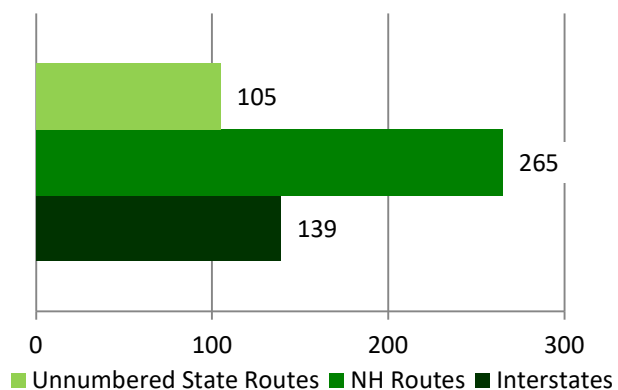
## Current Month - Incident Duration

This graph shows the duration history of incidents.



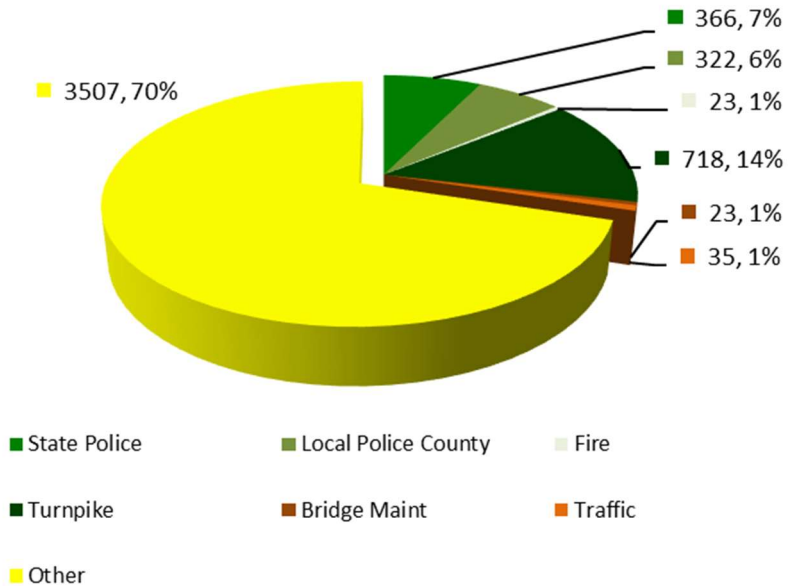
## Current Month - Incident by Road

This graph shows which type of roadway the incidents occurred on.



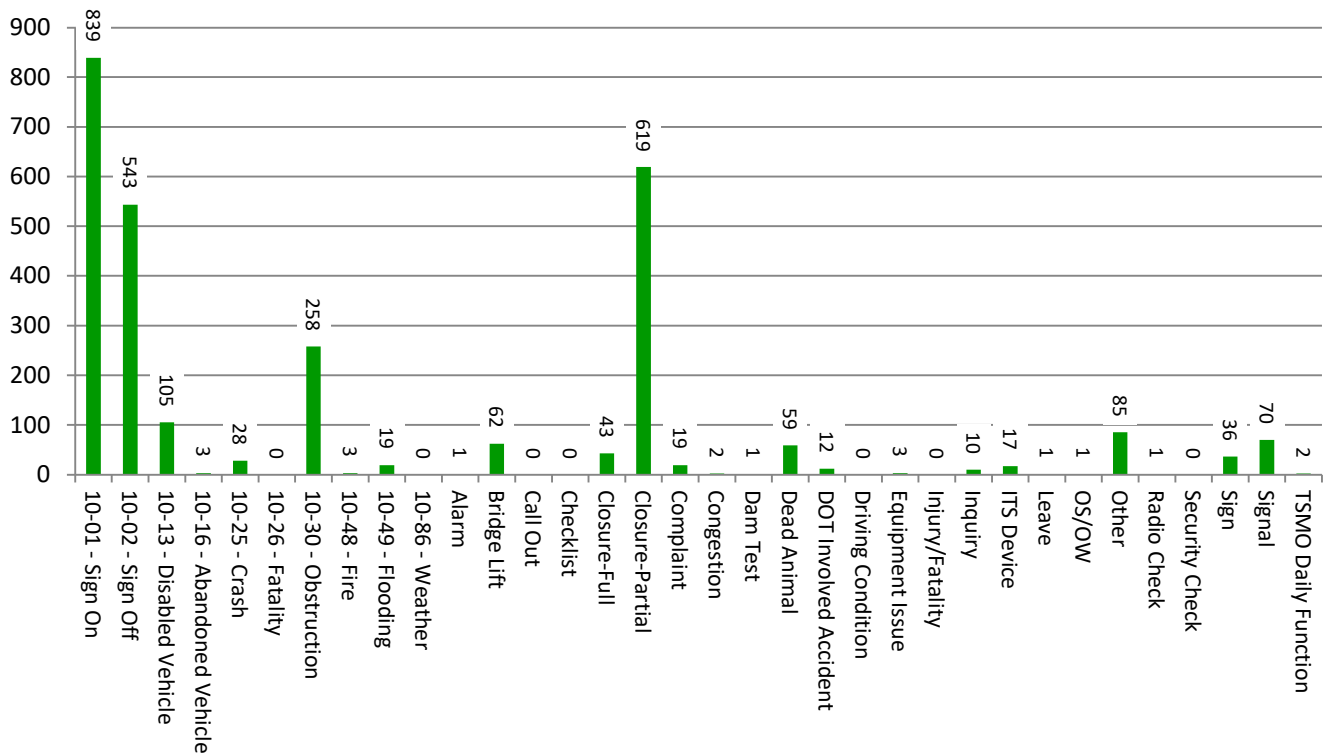
## Current Month - Calls by Type

Dispatchers receive different types of calls throughout the day. They log the type of call and review this information monthly.



## Log Entries by Type

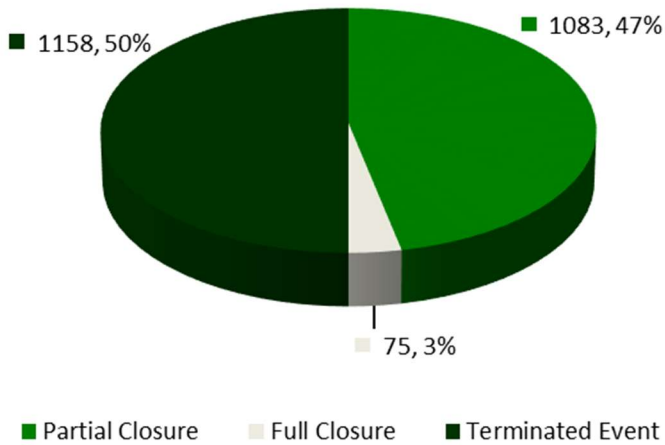
This graph shows the amount of log entries by type that TMC Operators have input into the Compass ATMS for the current month.



# Work Zone Communication

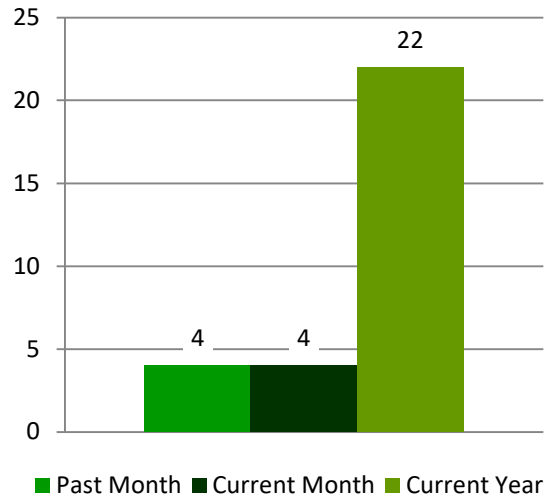
## Current Month – Construction Calls

This graph shows the different types of construction related calls that dispatchers received.

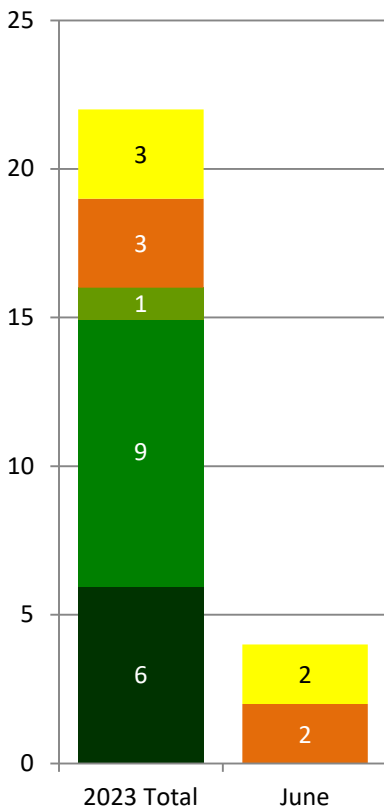


## Incidents Occurring in Work Zones

This graph shows the total number of incidents reported on Work Zone Crash Reports from the Bureau of Construction.

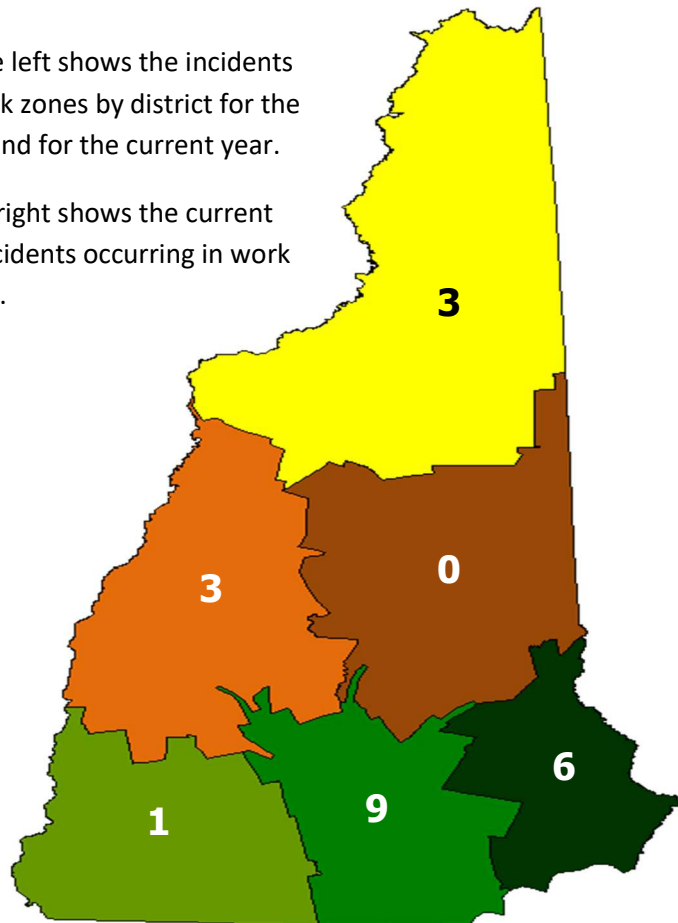


## Incidents Occurring in Work Zones by Location



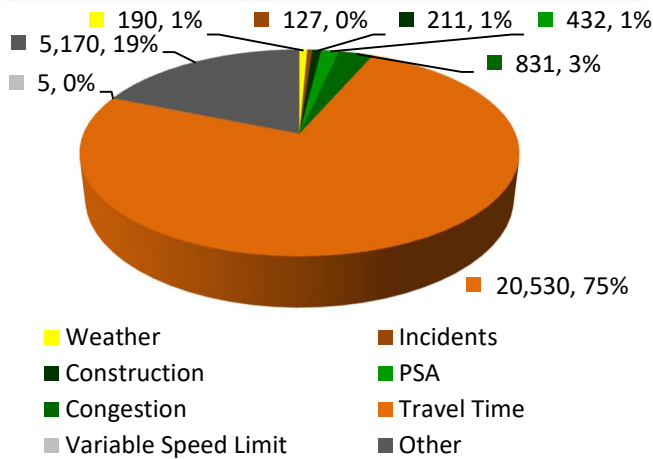
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

The map to the right shows the current year total for incidents occurring in work zones by district.

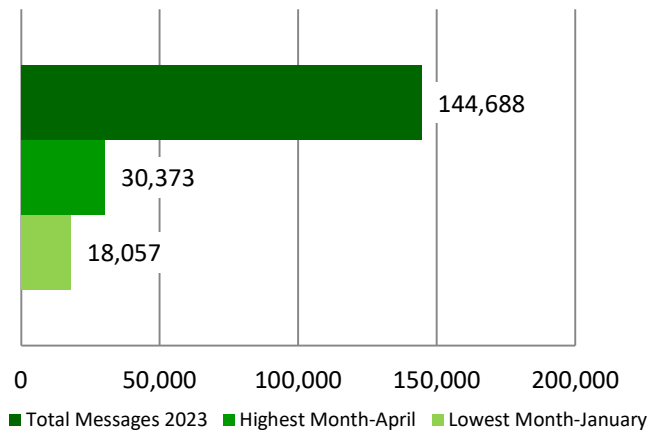


# DMS Messages

## Current Month - Messages by Type



## Total Messages - 2023



This graph shows the type of message that were relayed to the public by being displayed on the DMS.

This graph shows the total messages that were posted to DMS for the year so far.

## Current Month - Total Messages Posted by Board

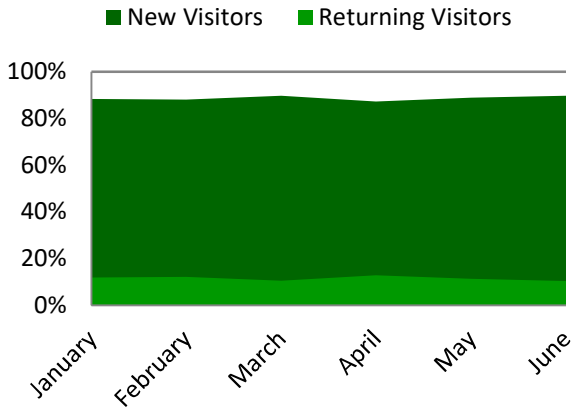
101 E 52.8 FSV5	40	91 S VT 70.6 PSV VT - SWZ - M04	182	FEE S 8.6 FSPT	13
101 E 53 PSWC - SWZ - M04	37	93 N 0.5 FSDT	263	ST N 1.0 FSAT	2,460
101 W 54.3 PSWC - SWZ - M03	121	93 N 3.8 VSL D5	3	ST N 16.2 PSVT - SWZ - M06	13
101E 114.8 FSV6	262	93 N 6.6 VSL D5	1	ST N 16.7 PSVT - SWZ - M05	94
101W 102.6 FSV5	6	93 N 7.5 FSD5	313	ST N 4.3 PSVT - SWZ - M01	781
101W 128 PSV6	15	93 NM 6.6 VSL D5	1	ST N 4.4 FSST	28
16N 35.0 PSV3	8	93 S 30.4 PSVT	20	ST N 5.0 PSVT - SWZ - M02	353
16S 75.4 FSV3	8	93N 23.4 FSD5	1,253	ST S 18.25 PSVT - SWZ - M07	158
293 S 4.7 PSWC - SWZ - M02	53	93N 26.9 PSVT	34	ST S 19.25 PSVT - SWZ - M08	4
293 S 5.2 PSWC - SWZ - M01	53	93N 36.2 FSVT	43	ST S 24.4 FSVT	279
293N 8.8 FSPT	1,245	93N 57.6 FSS3	23	ST S 3.4 FSDT	5,555
293S 1.4 FSD5	42	93N 76.4 FSV3	6	ST S 6.6 PSVT - SWZ - M03	1,223
293S 4.8 FSDT	36	93N 82.6 FSV3	8	ST S 6.9 PSVT - SWZ - M04	173
393 W 1.9 PSV5	13	93N 99.6 FSA3	54	ST S 7.8 FSAT	3,141
4 W 98.9 FSS6	25	93S 122.2 FSV1	10	WA W 0.5 FSST	13
4E 92.4 FSS6	11	93S 23.4 FSD5	330		
4E 98 FSA6	26	93S 27.8 FSDT	1,363		
89 N 23.2 PSV2 - SWZ - M01	259	93S 32.4 FSVT	16		
89 N 23.7 PSV2 - SWZ - M02	259	93S 36.5 FSST	17		
89 N 26.4 PSV2 - SWZ - M03	50	93S 39.0 FSV5	40		
89 N 28.4 PSV2 - SWZ - M08	36	93S 43.3 PSV5	14		
89 N 30.2 PSV2 - SWZ - M04	26	93S 48.0 FSV5	10		
89 N 56.8 PSV2 - SWZ - M01	100	93S 68.8 FSV3	27		
89 N 57.2 PSV2 - SWZ - M02	83	93S 7.2 FSD5	107		
89 N 57.3 FSS 2	3	93S 85.4 FSV3	32		
89 N 59.8 PSV2 - SWZ - M03	85	95N 0.4 FSVT	13		
89 S 28.0 PSV2 - SWZ - M07	59	95N 13.0 FSVT	16		
89 S 31.0 PSV2 - SWZ - M09	145	95N 14.8 FSDT	40		
89 S 31.9 PSV2 - SWZ - M06	179	95N 3.0 FSDT	420		
89 S 32.5 PSV2 - SWZ - M05	190	95N 4.8 PSVT	24		
89 S 58.7 PSV2 - SWV - M07	8	95S 15.4 FSDT	435		
89 S VT 0.9 PSV VT - SWZ - M05	153	95S 3.4 FSPT	12		
89N 1.8 FSV5	235	95S 7.2 PSVT	14		
89N 18.4 FSS5	31	95S 7.6 FSDT	208		
89N 35.5 FSV2	11	FEE N 1.2 FSVT	51		
89N 54.9 FSS2	16	FEE N 15.2 PSWC - SWZ - M07	65		
89S 10.8 FSV5	250	FEE N 17.5 PSWC - SWZ - M06	63		
89S 3.4 FSV5	3,112	FEE N 17.8 FSVT	16		
89S 55.0 PSV2	16	FEE N 18.0 PSWC - SWZ - M05	67		
89S 57.7 FSS2	68	FEE S 17.8 PSVT	7		
91 N VT 69.1 PSV VT - SWZ - M06	166	FEE S 3.8 FSDT	46		



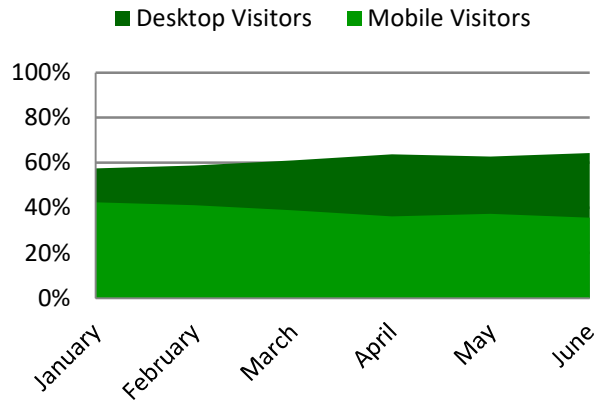
# Public Outreach

## 719 Users (Current Month) - NHTMC Website (www.nhtmc.com)

### New/Returning Visitors



### Desktop/Mobile Visitors



This graph shows the ratio of new/ returning users that visited the NHTMC website. A new visitor is a user accessing the website for the first time. A returning visitor is a user who has accessed the website earlier.

This graph shows the ratio of desktop/mobile visitors that accessed the NHTMC website.



**44,346 Total Twitter Followers**

